

Application No. 10/700,556
Amendment dated May 14, 2007
After Final Office Action of February 14, 2007

Docket No.: 0941-0862P

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of opening/closing a disk tray in a disk drive, comprising the steps of:

when opening or closing operation of the disk tray is requested, sending a first load/unload command to the disk drive to trigger an operation of opening or closing the disk tray and recording a time value that corresponds to a time point of sending the first command;

receiving a value returned by the disk drive for the first load/unload command and recording a time value that corresponds to a time point of receiving the returned value; and

calculating a period of time from the sending of the first load/unload command to the receiving of the returned value; and

when the calculated period of time is smaller than or equal to a threshold period, sending a second unload/load command to the disk drive, wherein the second unload/load command reverses the operation triggered by the first unload/load command applied to the disk drive.

2. (Previously Presented) The method as claimed in claim 1, wherein the opening or closing of the disk tray is requested by utilizing an input device.

3. (Cancelled)

4. (Previously Presented) The method as claimed in claim 1, wherein when the calculated period of time is greater than a threshold period, the first load/unload command is executed by the disk drive to be completed.

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5. (Previously Presented) The method as claimed in claim 1, wherein the load/unload command is defined by the ATAPI CD-ROM specification SFF-8020.

6. (Previously Presented) The method as claimed in claim 1, wherein the time value that corresponds to a time point are retrieved via a Windows function GetTickCount().

7. (Currently Amended) The method as claimed in claim 1, wherein the threshold period threshold value is 0.5 second.

8. (Previously Presented) A method of opening/closing a disk tray in a disk drive, comprising the steps of:

when opening or closing of the disk tray is requested, sending a first load/unload command to the disk drive to trigger an operation of opening or closing the disk tray and receiving a value returned by the disk drive for the first load/unload command;

calculating a time period from the sending of the first load/unload command to the receiving of the returned value; and

sending a second unload/load command to the disk drive to reverse the operation triggered by the first load/unload command when the calculated time period is shorter than a threshold.

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9. (Previously Presented) The method as claimed in claim 8, wherein the opening or closing of the disk tray is requested by utilizing an input device.

10. (Previously Presented) The method as claimed in claim 8, wherein the calculating of the time period comprises the steps of:

recording a first clock value corresponding to the time when the first load/unload command is sent;

recording a second clock value corresponding to the time when the returned value is received; and

obtaining the time period according to a difference between the first and second clock value.

11. (Previously Presented) The method as claimed in claim 8, wherein the threshold is about 0.5 second.

12. (Previously Presented) The method as claimed in claim 8, wherein the load/unload command is defined by the ATAPI CD-ROM specification SFF-8020.

13. (Previously Presented) The method as claimed in claim 8, wherein the corresponding clock values are retrieved via a Windows function GetTickCount().